

Author index

- ÅKERLUND, S. *see* NILSSON, U.
 ALVING, K. & FRANCO-CERCEDA, A. The ability of ruthenium red to reduce the autonomic reflexes and peptide release evoked by capsaicin administration in the pig *in vivo*, 315
 ANDERSSON, E. *see* FRIED, G.
 ANTILA, K. *see* METÄSLÄ, T.
 ANTONSSON, B.-M. *see* EK, B.
 ARNER, A., MALMQVIST, U., ÖSTERMAN, Å. & UVELIUS, B. Energy turnover and lactate dehydrogenase activity in detrusor smooth muscle from rats with streptozotocin induced diabetes, 375
 AROKOSKI, J. *see* MARIN, E.
 ASK, P. *see* JANEROT SJÖBERG, B.
 ASTRUP, A. *see* SIMONSEN, L.
 BECHTEL, *see* YAN, Z.
 BECKETT, S.D. *see* SJÖSTRAND, N.O.
 BEHRENS, W.A. *see* THIDUS, P.M.
 BENLAMLIIH, S., DAHLBORN, K. & OUKESSOU, M. Blood plasma kinetics of arginine vasopressin in camels, 341
 BERGERSEN, T.K. A search for arteriovenous anastomoses in human skin using ultrasound Doppler, 195
 BIRAL, D. *see* LARSSON, L.
 BJERKHOEL, P. *see* LUNDVALL, J.
 BONEN, A. *see* McDERMOTT, J.C.
 BOUILIER, R.G., NIKINMAA, M. & TUFTS, B. Relationship between blood buffering properties, erythrocyte pH and water content, in gray seals (*Halichoerus grypus*), 241
 BRATELL, S. *see* NILSSON, U.
 BUANES, T. *see* GROTMOL, T.
 BÜLOW, J. *see* SIMONSEN, L.
 BYSTRÖM, S. *see* JENSEN, B.R.
 CABANAC, M. *see* RASCHE, W.
 CAMPIONE, M. *see* LARSSON, L.
 CEESAY, S.M. *see* MURGATROYD, P.R.
 CEESAY, S.M. *see* SONKO, B.J.
 CHANG, W.-C. *see* CHEN, H.I.
 CHEN, H.I., JEN, C.J. & CHANG, W.-C. Effects of exercise training on the biosynthesis of prostacyclin and thromboxane in rats, 109
 CHRISTENSEN, G. *see* GROTMOL, T.
 CLAUSEN, T. *see* EVERTS, M.E.
 COWARD, W.A. *see* MURGATROYD, P.R.
 COWARD, W.A. *see* SONKO, B.J.
 DAHLBORN, K. *see* BENLAMLIIH, S.
 DE HAAN, A., DE RUITER, C.J., LIND, A. & SARGEANT, A.J. Age-related changes in force and efficiency in rat skeletal muscle, 347
 DE RUITER, C.J. *see* DE HAAN, A.
 EDFELDT, H. & LUNDVALL, J. Sympathetic baroreflex control of vascular resistance in comfortably warm man. Analyses of neurogenic constrictor responses in the resting forearm and in its separate skeletal muscle and skin tissue, 437
 EDFELDT, H. *see* LUNDVALL, J.
 EDVINSSON, L. *see* JANSSEN, I.
 EDWALL, L. *see* KEREZOUZIS, N.P.
 EIDENVALL, L. *see* JANEROT SJÖBERG, B.
 EK, B. & ANTONSSON, B.-M. Studies of muscarinic receptor reserve linked to phosphoinositide hydrolysis in parotid gland and cerebral cortex, 289
 ENGEL, B.T. *see* TALAN, M.I.
 EVERTS, M.E., LOMO, T. & CLAUSEN, T. Changes in K⁺, Na⁺ and calcium contents during *in vivo* stimulation of rat skeletal muscle, 357
 FALLENTIN, N. *see* JENSEN, B.R.
 FOLKESSON, H.G., WESTRÖM, B.R., PEIRZYNOWSKI, S.G., SVENDSEN, J. & KARLSON, B.W. Lung to blood passage of albumin and a nona-peptide after intratracheal instillation in the young developing pig, 173
 FRANCO-CERCEDA, A. *see* ALVING, K.
 FREDHOLM, B.B. Pre-synaptic regulation of hippocampal acetylcholine release is unaffected by calcium channel blockers and intracellular calcium chelation, 461
 FRIBERG, P. *see* WÄHLANDER, H.
 FRIED, G., LIU, Y.A. & ANDERSSON, E. Endothelin contracts human uterine myometrium by a partly dihydropyridine-sensitive mechanism, 131
 FUNATO, A. *see* KEREZOUZIS, N.P.
 GOLDBERG, G.R. *see* MURGATROYD, P.R.
 GOLDBERG, G.R. *see* SONKO, B.J.
 GONZALEZ, E. *see* SALOMONSSON, M.
 GOTO, H. *see* KAWABATA, H.
 GREEN Y.S. *see* THOMPSON, C.H.
 GROTMOL, T., RÖDNES, J.T., BUANES, T., CHRISTENSEN, CHRISTENSEN, G. & LANDSVWERK, T. Atrial natriuretic factor (ANF) does not affect ion transport in human intestine but does in porcine intestine, 417
 HÄNNINEN, O. *see* MARIN, E.
 HAO, J.-X. *see* WIESENFELD-HALLIN, X.-J.
 HARALDSSON, B. *see* JOHNSSON, E.

- HARALDSSON, B. *see* WÄHLANDER, H.
 HARALDSSON, G. *see* NILSSON, U.
 HASSI, J. *see* OKSA, J.
 HERMANSEN, F. *see* SIMONSEN, L.
 HEYERAS, K.J. *see* KRISTIANSEN, A.B.
 HÖKFELT, T. *see* WIESENFELD-HALLIN, X.-J.
 HOSSAINI-HILALI, J. & OLSSON, K. Lactation affects pressor, volumetric and natriuretic responses to angiotensin II in goats, 449
 HOUSTON, M.E. *see* TIIDUS, P.M.
 HU, N.-M. & THORN, N.A. Intermittent salt-loading for 10 days causes a temporary drop in amidating processing enzyme activity but a persistent drop in arginine-vasopressin in the rat neuropophysis, 459
 ISHIKAWA, K., SHIRATO, K., SAKUMA, M., KANAZAWA, M., MUNKATA, K. & TAKASHIMA, T. Modification of regional myocardial performance caused by blood withdrawal and infusion in acute ischaemic canine heart, 59
 IVARSSON, C. *see* LUNDVALL, J.
 JANEROT SJÖBERG, B., EIDENVALL, L., LOYD, D., WRANNE, B. & ASK, P. Vascular characteristics influence the aortic ultrasound Doppler signal: computer and hydraulic model simulations, 271
 JANSSEN, I., OLESEN, J. & EDVINSSON, L. 5-Hydroxytryptamine receptor characterization of human cerebral, middle meningeal and temporal arteries: regional differences, 141
 JEN, C.J. *see* CHEN, H.I.
 JENSEN, B.R., FALLENTIN, N., BYSTRÖM, S. & SJØGAARD, G. Plasma potassium concentration and Doppler blood flow during and following submaximal handgrip contractions, 203
 JOHNSON, E. & HARALDSSON, B. Addition of purified orosomucoid preserves the glomerular permeability for albumin in isolated perfused kidney, 1
 JONSSON, O. *see* NILSSON, U.
 KAGAMIHARA, Y. *see* NIELSEN, J.
 KAJIMOTO, N. *see* OMOTE, M.
 KANAZAWA, M. *see* ISHIKAWA, K.
 KARLSON, B.W. *see* FOLKESSON, H.G.
 KATZ, A. *see* YAN, Z.
 KAWABATA, H., OSHIDA, J. & GOTO, H. Effect of allopurinol on myocardial purine release after total ischaemia in isolated rat heart, 337
 KEREZOUDIS, N.P., FUNATO, A. & EDWALL, L. Activation of sympathetic nerves exerts an inhibitory influence on afferent nerve-induced vasodilation unrelated to vasoconstriction in rat dental pulp, 27
 KIRKEBØ, A. *see* KRISTIANSEN, A.B.
 KLINGE, E. *see* SJÖSTRAND, N.O.
 KLINGER, W. *see* MARIN, E.
 KORNFELD, M. *see* SALOMONSSON, M.
 KRETZSCHMAR, M. *see* MARIN, E.
 KRISTIANSEN, A.B., HEYERAS, K.J. & KIRKEBØ, A. Increased pressure in venous sinusoids during decongestion of rat mucosa induced by adrenergic antagonists, 151
 KUHNEN, G. & MERCER, J.B. Selective brain cooling in resting and exercising Norwegian Reindeer (*Rangifer tarandus tarandus*), 281
 LANDSVWERK, T. *see* GROTMOL, T.
 LÄNNE, T. *see* LUNDVALL, J.
 LARSSON, L., BIRAL, D., CAMPIONE, M. & SCHIAFFINO, S. An age-related type IIB to IIX myosin heavy chain switching in rat skeletal muscle, 227
 LEDINGHAM, *see* THOMPSON, C.H.
 LIND, A. *see* DE HAAN, A.
 LIU, Y.A. *see* FRIED, G.
 LØMO, T. *see* EVERTS, M.E.
 LOYD, D. *see* JANEROT SJÖBERG, B.
 LUNDBERG, J.M. *see* MODIN, A.
 LUNDVALL, J. & EDFELDT, H. Much more potent baroreflex sympathetic control of vascular resistance in the resting human limb than previously believed, 185
 LUNDVALL, J. *see* EDFELDT, H.
 LUNDVALL, J., BJERKHOEL, P., EDFELDT, H., IVARSSON, C. & LÄNNE, T. Dynamics of transcapillary fluid transfer and plasma volume during lower body negative pressure, 163
 MADERE, R. *see* TIIDUS, P.M.
 MADSEN, J. *see* SIMONSEN, L.
 MALMQVIST, U. *see* ARNER, A.
 MARIN, E., KRETZSCHMAR, M., AROKOSKI, J., HÄNNINEN, O. & KLINGER, W. Enzymes of glutathione synthesis in dog skeletal muscles and their response to training, 369
 MARTINUSSEN, H.J., WALDENSTRÖM, A. & RONQUIST, G. Functional and biochemical effects of a K⁺-ionophore on the isolated perfused rat heart, 221
 MATTSSON, M.-O. *see* SELSTAM, G.
 McDERMOTT, J.C. & BONEN, A. Endurance training increases skeletal muscle lactate transport, 323
 MENTHA, G. *see* SCHIFFER, E.R.C.
 MERCER, J.B. *see* KUHNEN, G.
 METSÄLÄ, T., SIMES, A., ANTILA, K. & VÄLMÄKI, I. Association of breathing movements to the variability of heart rate and blood pressure in foetal lambs, 213
 MIZUSAWA, H. *see* OMOTE, M.
 MODIN, A., PERNOW, J. & LUNDBERG, J.M. Neuropeptide Y and differential sympathetic control, 15
 MOREL, D.R. *see* SCHIFFER, E.R.C.
 MUNKATA, K. *see* ISHIKAWA, K.
 MURGATROYD, P.R. *see* SONKO, B.J.
 MURGATROYD, P.R., SONKO, B.J., WITTEKIND, A., GOLDBERG, G.R., COWARD, W.A., CEESAY, S.M. & PRENTICE, A.M. Non-invasive techniques for ass-

- essing carbohydrate flux: I. measurement of depletion by indirect calorimetry, 91
- NIELSEN, J. & KAGAMIHARA, Y. Differential projection of the sural nerve to early and late recruited human tibialis anterior motor units: change of recruitment gain, 385
- NIKINMAA, M. *see* BOUTILIER, R.G.
- NILSSON, I. *see* SELSTAM, G.
- NILSSON, U., HARALDSSON, G., BRATELL, S., SØRENSEN, V., ÅKERLUND, S., PETTERSSON, S., SCHERSTÉN N., T. & JONSSON, O. ESR-measurement of oxygen radicals *in vivo* after renal ischaemia in the rabbit. Effects of pre-treatment with superoxide dismutase and hepa, 263
- ÖJTEG, G. & WOLGAST, M. Change density of renal interstitium, 297
- OKSA, J., RINTAMÄKI, H., HASSI, J. & RISSANEN, S. Gross efficiency of muscular work during step exercise at -15° and 21°C , 235
- OLESEN, J. *see* JANSSEN, I.
- OLIW, E.H. Biosynthesis of 12 (S)-hydroxyeyco-atetraenoic acid by bovine corneal epithelium, 117
- OLSSON, K. *see* HOSSAINI-HILALI, J.
- OMOTE, M., KAJIMOTO, N. & MIZUSAWA, H. The ionic mechanism of phenylephrine-induced rhythmic contractions in rabbit mesenteric arteries treated with ryanodine, 9
- OSHIDA, J. *see* KAWABATA, H.
- ÖSTERMAN, Å. *see* ARNER, A.
- ØSTGAARD, G. & REED, R.K. Intravenous saline infusion in rat increases in hyaluronan efflux in intestinal lymph by increasing lymph flow, 329
- OTJEG, G. & WOLGAST, M. Charge density of renal interstitium, 297
- OUKESSOU, M. *see* BENLAMLIH, S.
- PEIRZYNOWSKI, S.G. *see* FOLKESSON, H.G.
- PERNOW, J. *see* MODIN, A.
- PERSSON, A.E.G. *see* SALOMONSSON, M.
- PETTERSSON, S. *see* NILSSON, U.
- PRENTICE, A.M. *see* MURGATROYD, P.R.
- PRENTICE, A.M. *see* SONKO, B.J.
- RADDA, G.K. *see* THOMPSON, C.H.
- RAJOPALAN, *see* THOMPSON, C.
- RASCHE, W. & CABANAC, M. Vasomotor response of the human face: laser-Doppler measurements during mild hypo- and hyperthermia, 431
- REED, R.K. *see* ØSTGAARD, G.
- RINTAMÄKI, H. *see* OKSA, J.
- RISSANEN, S. *see* OKSA, J.
- RØDNES, J.T. *see* GROTMOL, T.
- RONQUIST, G. *see* MARTINUSSEN, H.J.
- SAKUMA, M. *see* ISHIKAWA, K.
- SALOMONSSON, M., GONZALEZ, E., KORNFELD, M. & PERSSON, A.E.G. The cytosolic chloride concentration in macula densa and cortical thick ascending limb cells, 305
- SARGEANT, A.J. *see* DE HAAN, A.
- SCHERSTÉN N., T. *see* NILSSON, U.
- SCHIAFFINO, S. *see* LARSSON, L.
- SCHIFFER, E.R.C., MENTHA, G., SCHWIEGER, I.M. & MOREL, D.R. Sequential changes in the splanchnic circulation during continuous endotoxin infusion in sedated sheep: evidence for a selective increase of hepatic artery blood flow and loss of the hepatic art, 251
- SCHWIEGER, I.M. *see* SCHIFFER, E.R.C.
- SELSTAM, G., NILSSON, I. & MATTSOON, M.-O. Changes in the ovarian intermediate filament desmin during the luteal phase of the adult pseudopregnant rat, 123
- SHIRATO, K. *see* ISHIKAWA, K.
- SIIMES, A. *see* METSÄLÄ, T.
- SIMONSEN, L., BÜLOW, J., MADSEN, J., HERMANSEN, F. & ASTRUP, A. Local forearm and whole-body respiratory quotient in humans after an oral glucose load: methodological problems, 69
- SJØGAARD, G. *see* JENSEN, B.R.
- SJÖSTRAND, N.O., BECKETT, S.D. & KLINGE, E. Nervous regulation of the tone of the retractor penis muscle in the goat, 403
- SONKO, B.J. *see* MURGATROYD, P.R.
- SONKO, B.J., MURGATROYD, P.R., GOLDBERG, G.R., COWARD, W.A., CEESAY, S.M. & PRENTICE, A.M. Non-invasive techniques for assessing carbohydrate flux: II. measurement of deposition using ^{13}C -glucose, 99
- SØRENSEN, V. *see* NILSSON, U.
- SPENCER, M.K. *see* YAN, Z.
- SVENDSEN, J. *see* FOLKESSON, H.G.
- TAKASHIMA, T. *see* ISHIKAWA, K.
- TALAN, M.I. & ENGEL, B.T. Morning increase in whole blood viscosity: a consequence of a homeostatic nocturnal haemodynamic pattern, 179
- THOMPSON, C.H., GREEN, Y.S., LEDINGHAM, J.G., RADDA, G.K. & RAJOPALAN, B. The effect of iron deficiency on skeletal muscle metabolism of the rat, 85
- THORN, N.A. *see* HU, N.-M.
- THIDUS, P.M., BEHRENS, W.A., MADERE, R. & HOUTSON, M.E. Muscle vitamin E levels following acute submaximal exercise in female rats, 249
- TUFTS, B. *see* BOUTILIER, R.G.
- UVELIUS, B. *see* ARNER, A.
- VÄLIMÄKI, I. *see* METSÄLÄ, T.
- WÄHLANDER, H., FRIBERG, P. & HARALDSON, B. Changes in myocardial capillary diffusion capacity during infusion of vasoactive drugs, 49

- WÄHLANDER, H., FRIBERG, P. & HARALDSSON, B. Capillary diffusion capacity for Cr-EDTA and cyanocobalamine in spontaneously beating rat hearts, 37
- WALDENSTRÖM, A. *see* MARTINUSSEN, H.J.
- WIESENFELD-HALLIN, X.-J., XU, J.-X., HAO, J.-X. & HÖKFELT, T. The behavioural effects of intrathecal galanin on tests of thermal and mechanical nociception in the rat, 449
- WESTRÖM, B.R. *see* FOLKESSON, H.G.
- WITTEKIND, A. *see* MURGATROYD, P.R.
- WOLGAST, M. *see* ÖJTEG, G.
- WRANNE, B. *see* JANEROT SJÖBERG, B.
- XU, J.-X. *see* WIESENFELD-HALLIN, X.-J.
- YAN, Z., SPENCER,, BECHTEL, & KATZ, A. Regulation of glycogen synthase in human muscle during isometric contraction and recovery, 77

Subject index

- Acetylcholine, 461
Adenine nucleotides, 221
Adenosine receptor, 461
Afferent nerves, 27
Age, 347
Ageing, 227
Albumin, 1, 173
Aldosterone, 449
 α -adrenoceptors, 27
Allopurinol, 975
Amidation enzyme, 459
Anaemia, 85
Analgesia, 457
Angiotensin II, 449
Antioxidants, 369
Aortic flow, 271
Arterial compliance, 271
Arterial resistance, 271
Arteriovenous anastomoses (AVAs), 195
ATP, 357
Atrial natriuretic factor, 417
Atrial natriuretic peptide, 417
Autonomic innervation, 403
Autonomic reflexes, 315

Baroreceptors, 185, 437
Blood flow, 27, 185, 431, 437
Blood pressure, 449
Blood pressure (BP) variability, 213
Blood volume, 163
Bohr factor, 241
Bradykinin, 315

 ^{13}C -glucose, 99
Calcitonin gene-related peptide, 315
Calcium, 131
Calcium channel(s), 9, 131
Camel, 977
Capillary, 37, 49
Capillary filtration, 163
Capillary permeability, 1
Capsaicin, 315
Carnivore, 241
Cell count, 109
Cerebral cortex, 289
Chiral phase high performance liquid chromatography, 117
Circulatory occlusion, 77
Circulatory stress, 163
Cold, 235
Cornea, 117
Coronary vascular resistance, 49
Corpus luteum, 123

Cortical thick ascending limb cells (cTAL), 305
Cr-EDTA, 37
Cutaneous afferents, 385
Cyanocobalamin, 37
Cyclic AMP-dependent protein kinase, 77
Cyclic guanosine monophosphate, 417
Cytochrome P-450, 117
Cytosolic free chloride, 305

dDAVP, 173
Desmin, 123
Desmopressin, 173
Diabetes, 375
Diet, 249
Diurnal, 179
Diving mammals, 241
Doppler, 195

EC superoxide dismutase, 263
Echocardiography, 271
Efficiency, 347
Ejection phase, 59
Electro-osmosis, 297
Endothelin, 131
Endotoxaemia, 251
Energy charge, 221
Energy metabolism, 347
Erythrocyte ion concentrations, 241
Erythrocyte pH, 241
Erythrocyte water content, 241
ESR, 263
Evaporation, 431
Exercise, 91, 99, 249, 281
Exercise training, 109, 323
Extensor digitorum longus, 357
Extracellular matrix, 329

Fatigue, 77
Fixed charges, 297
Fluid balance, 341
Fluorescence digital imaging microscopy, 305
Fluorophore SPQ, 305
Foetal breathing movements (FBMs), 213
Forearm, 203

Glomerular, 1
Glucose 6-P, 77
Glucose load, 69
Glutathione, 369
Glycogen, 91
Glycogen synthase phosphatase, 77
Glycolytic flux, 221
Glycosaminoglycans, 329

- Goat, 403, 449
Gray seal, 241
Gross efficiency, 235
[³H]NMS, 289
Haematocrit, 15, 163, 241
Haemodynamics, 185, 179, 437
Heart, 37, 49
Heart rate (HR) variability, 213
Heparin, 263
Hepatic arterial buffer response, 251
Hepatic artery blood flow, 251
Hot plate, 457
Human, 163, 185, 437
Human body, 69
Human cranial arteries, 141
Human head, 431
Hyaluronic acid, 329
5-hydroxytryptamine, 141
Hyperaemia, 203
Hyperalgesia, 457
Hyperthermia, 431
Hypertrophy, 375
Hypothermia, 431
Hypovolaemia, 163
IC superoxide dismutase, 263
Inositol phospholipids, 289
Intermediary filament, 123
Intestinal ion transport, 417
Intestine small, 329
Intracellular calcium, 461
Intratracheal instillation, 173
Intravenous infusion, 329
Ionophore, 221
Irreversible antagonism, 289
Ischaemia, 263, 337
Isovolumetric contraction phase, 59
Kidney, 1, 263
Lactate, 77, 221
Lactate production, 375
Lactate transport, 323
Lactation, 449
Laser-Doppler flow, 151
LBNP, 163, 185, 437
12-lipoxygenase, 117
Liver, 91
Local forearm, 69
Lung, 173
Lymph, 297
Lymph mesenteric, 329
Macromolecules, 173
Macula densa cells, 305
Man, 163, 185, 437
Maturation, 173
Mesenteric artery, 9
Methodological problems, 69
Micropuncture blood pressure, 151
Monoclonal antibodies (mABs), 227
Motoneurons, 385
Motor unit, 227
Muscle, 91, 99, 249
Muscular work, 235
Myocardial, 975
Myocardium, 221
Myometrium, 131
Myosin heavy chains, 227
Nasal mucosa, 151
Na⁺-2Cl⁻-K⁺ cotransport, 305
Na⁺-K⁺ pump, 357
Neonatal development, 173
Neurohypophysis, 459
Neuropeptide, 457
Neuropeptide Y, 15, 315
Nicotine, 315
Non-adrenergic non-cholinergic nerves, 403
Noradrenaline, 15, 151
Oedema, 163
Oestradiol, 449
On-line data recording, 251
Orosomucoid, 1
[³H] ouabain binding, 357
Ovary, 123
OXANO, 263
OXANOH, 263
Oxidative phosphorylation, 85
Oxygen consumption, 375
Oxygen saturation, 241
³¹P magnetic resonance spectroscopy, 85
Panting, 281
Parotid gland, 289
Paw pressure, 457
Penile erection, 403
Penis, 403
Perfusion, 1
Pericardium, 59
Permeability, 297
Permeability surface area products, 37, 49
Phenylephrine, 9
Phosphocreatine, 77
Pig, 173
Plasma buffering, 241
Plasma protein, 449
Plasma volume, 163, 179
Potassium, 203
Potassium channel, 9
Potassium ions, 221
Prejunctional inhibition, 403
Preload, 59
Progesterone, 449

- Prostacyclin, 109
 Pseudopregnancy, 123
 Purine compounds, 337
- Rabbit, 9
 Radicals, 369
 Radio-autography, 417
 Rat, 1, 123, 227, 375
 Rat incisor pulp, 27
 Rat muscle, 323
 Receptor reserve, 289
 Reflex pathways, 385
 Reindeer, 281
 Reperfusion, 263
 Respiratory quotient, 69
 Retractor penis, 403
 Rhythmic contractions, 9
 Ruthenium red, 315
 Ryanodine, 9
- Salt-loading, 459
 Sarcolemmal vesicles, 323
 Selective brain cooling, 281
 Sensory nerves, 315
 Short-circuit current, 417
 Skeletal muscle, 185, 347, 369, 437
 Skin, 185, 437
 Skin blood flow, 195
 Skin temperature, 203, 431
 Smooth muscle, 131, 403
 Sodium excretion, 449
 Soleus, 357
 Specific force, 347
 Spectral analysis, 213
 Spin trap, 263
 Spinal cord, 457
 Splanchnic blood flow, 251
 Spleen, 15
- Splenic blood flow, 15
 Splenic capacitance function, 15
 Splenic capsule, 15
 Step exercise, 235
 Submaximal isometric contractions, 203
 Sympathetic, 185, 437
 Sympathetic antagonists, 151
 Sympathetic nerves, 27
- Temperature regulation, 281
 Thermal stress, 281
 Thromboxane, 109
 Tiablis anterior, 357
 Tibialis anterior muscle, 227
 Tissue blood volume, 151
 Training, 369
 Transmitter release, 461
- Ultrasound, 195
 Ultrasound-Doppler blood velocity, 203
 Urinary bladder, 375
 Ussing chamber, 417
 Uterus, 131
- Valinomycin, 221
 Vascular resistance, 185, 437
 Vasculature, 123
 Vasomotor response(s), 141, 431
 Vasopressin, 341
 Vasopressin processing, 459
 Venous sinusoids, 151
 Vitamin E, 249
- Whole-body calorimetry, 91, 99
 Windkessel model, 271
 Work output, 347
- Xanthine oxidase inhibitor, 337

